

## ER-2 #806 05/23/16

**Aircraft:**

[ER-2 #806 \(See full schedule\)](#)

**Flight Number:**

16-6022

**Payload Configuration:**

Solar Cells (PV)

**Nav Data Collected:**

Yes

**Total Flight Time:**

1.8 hours

**Comments:**

The objective for Flight 16-6022 was to fly the PV instrument near 70,000 feet at solar noon. The ER-2 got to 69,400 feet before starting the PV line. Couldn't get to 70k feet because of too much fuel onboard. Matt Myers (PV PI) said that this is no big deal. Tim gradually descended (~500 fpm) to 60k feet by end of data-collection line. Twenty minutes of PV data were obtained. Matt Myers confirmed post-flight that good PV data were obtained. Today's flight was very successful. Tim Williams was the pilot.

**Submitted by:**

Kevin Walsh on 05/24/16

**Flight Segments:**

<b>From:</b>	PMD	<b>To:</b>	PMD
<b>Date:</b>	05/23/16		
<b>Flight Time:</b>	1.8 hours		
<b>Log Number:</b>	<a href="#">162033</a>	<b>PI:</b>	Matthew Myers
<b>Funding Source:</b>	Michael Piszczor - NASA - GRC - CODE LEX Branch Chief		
<b>Purpose of Flight:</b>	Science		

**Flight Hour Summary:**

	162033	172026
<b>Flight Hours Approved in SOFRS</b>	8.6	6
<b>Flight Hours Previously Approved</b>		3.2
<b>Total Used</b>	5.4	10.8
<b>Total Remaining</b>		-1.6

**172026 Flight Reports**

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining
<a href="#">04/12/17</a>	17-6032	Science	2.2	2.2	7
<a href="#">04/14/17</a>	17-6033	Science	1.9	4.1	5.1
<a href="#">05/09/17</a>	17-6035	Science	2.1	6.2	3
<a href="#">05/11/17</a>	17-6036	Science	1.4	7.6	1.6
<a href="#">05/12/17</a>	17-6037	Science	1.8	9.4	-0.2
<a href="#">05/15/17</a>	17-6038	Science	1.4	10.8	-1.6

**Source URL:** [https://airbornescience.nasa.gov/flight\\_reports/ER-2\\_806\\_05\\_23\\_16?destination=node/39726](https://airbornescience.nasa.gov/flight_reports/ER-2_806_05_23_16?destination=node/39726)

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*Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.*

#### 162033 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining
<a href="#">05/23/16</a>	16-6022	Science	1.8	1.8	6.8
<a href="#">05/24/16</a>	16-6023	Science	1.8	3.6	5
<a href="#">05/25/16</a>	16-6024	Science	1.8	5.4	3.2